282	WITH NONLIQUID CLEANING MEANS FOR SEPARATING MEDIA	299	With resulting flexing or distortion of resilient or collapsible separating media
	o is an integral part of this Class 96), as shown by the position of	300	Vibrating, jarring, or rapping means
this box	x, and follows the schedule hierar-	301	.Cohesive filter media cleaning
chy of t	his Class, retaining all pertinent	302	Pneumatic reverse flushing
definit	ions and Class lines of this class.	303	Draft diverted from one side of filter to other
		304	Filter manipulation, shaking or
		304	flexing for precluding or
282.1	.Having insulation		removing encrustation
282.2	.With heating or cooling means	305	Attendant actuated
282.3	Residue burned		manipulating means
282.4	Two confined fluids in indirect	306	AIRCRAFT ANTI-INGESTION MEANS
	contact		(E.G., AIRCRAFT DEBRIS GUARD)
282.5	Heat exchanger is part of	307	FILTER OR APERTURED DEFLECTOR
	separator or is contiguous		UNIT DISCONTINUOUS ACROSS GAS
	therewith		FLOW WITHIN FLOW CONDUIT
283	.With automatic control of cleaning means	308	.Multiple members serially spaced in flow conduit
284	.With sequential cleaning of	309	WITH SEPARATING MEDIA BYPASS OR
201	plural units		SYSTEM GAS PRESSURE RELIEF
285	Ferris wheel type filter unit		(E.G., RUPTURABLE OR
203	arrangement		DEFORMABLE)
286	With gas flow arresting means	309.1	.With heating or cooling means
287	Interconnected with cleaning	310	.Pressure relief means to or from
207	means		atmosphere
288	.Interdependent or interoperated	311	Relief means is downstream of
200	gas flow cutoff or apparatus		media (e.g., ambient air
	shutdown and media cleaning		bypasses filter)
289	.Interdigitated comb and	312	.Valved bypass means
200	separating media	313	Gas force responsive
290	.For moving indefinite or	314	Shunt means for total flow
250	continuous length separating	315	PLURAL SERIAL BASICALLY DIVERSE
	media		SEPARATING MEDIA
291	.Plural diverse cleaning means	315.1	.With heating or cooling means or
292	Sonic type		having insulation
293	.With separating media	315.2	Heat exchanger is part of
223	pneumatically vibrated or		separator or is contiguous
	flexed		therewith
294	Relatively movable pneumatic	317	.At least one mounted for
271	nozzle (e.g., scanning nozzle)		continuous motion
295	.Solid agent cleaning member	318	.Plural stages in unitary casing
273	movingly contacts apparatus	319	Including expansion chamber
296	Agent has defined traversing	320	Deflector and fibrous,
250	motion relative to separating		filamentary, particulate
	media		solids, or cohesive sheet
297	With motion effecting means		filter type
<u>-</u> - / 1	interrelated with separating	321	Multiple of one type in series
	operation		of parallel in flow path
298	Gas flow actuates member	322	Serially spaced with at least
			one of other type
			intermediately positioned

323	Filters	344	.With flow equalizing,
324	In parallel		controlling, or distributing
325	Serially spaced deflectors		means
326	With connected trough or	345	.Centrifugal
320			
	channel	346	Parallel
327	Filter is most upstream	347	Gas inlet and outlet at
328	Movable or movable mounted for		linearly opposite ends of
	adjustment or nonuse		separating zone
329	Filamentary brush type or	348	Plural gas inflow openings,
227	fibrous mass	5 2 5	slots, or whirl vanes in each
			•
330	Tubular or annular for radial	0.40	separator
	gas flow	349	Tangential inlet to each
331	Conical deflector with curved		separator
	or parabolic radially	350.1	.Filters
	extending wide downstream end	351	WITH MEANS FOR ADVANCING CLEAN
332	Cohesive sheet-like filter		PORTIONS OF CONTINUOUS OR
			INDEFINITE LENGTH SEPARATING
333	Multiple contiguous layers or		MEDIA INTO GAS STREAM
	coils with radial gas flow	250	
334	Bag type	352	.Advancing means initiated by
335	Including imperforate		flow, pressure, or pressure
	upstream bag end deflector		differential of gas
336	Conical	353	.Multiple distinct units
		354	.Indefinite or running length
337	Cyclone or centrifugal whirl	355	WITH LIQUID TRAP SEAL OR VALVE
	type deflector		
338	WITH RECYCLE MEANS	356	WITH MEANS FACILITATING
338.1	.With heating or cooling means		TRANSPORTABILITY OR HANDLING
339	.For concentrate entrained in		OF APPARATUS
	effluent gas outlet means	357	.Handle feature for apparatus or
340	Return conduit is external of		part thereof
340		358	WITH GROUND SUPPORT MEANS
	apparatus	333	(NONFLOW CONDUCTING)
341.1	MULTIPLE BAG TYPE FILTERS IN	359	
	CHAMBER	360	WITH PORTION OF COVER REMOVABLE
		360	
341.11	.With heating or cooling means or		WITH ELECTRICAL GROUNDING MEANS
341.11	.With heating or cooling means or having insulation	361	FLEXIBLE OR COLLAPSIBLE BAG TYPE
	having insulation		
341.11	having insulation .Gas flow from inside to outside	361	FLEXIBLE OR COLLAPSIBLE BAG TYPE .With bag ejecting means
341.2	having insulation  Gas flow from inside to outside of filter	361 362 363	FLEXIBLE OR COLLAPSIBLE BAG TYPE .With bag ejecting means .Toroidal or annular bag
341.2	having insulation  .Gas flow from inside to outside   of filter Modular compartments	361 362	FLEXIBLE OR COLLAPSIBLE BAG TYPE .With bag ejecting means .Toroidal or annular bag .Impervious bag with pervious
341.2 341.3 341.4	having insulation  .Gas flow from inside to outside of filter  .Modular compartments  .Horizontally mounted filters	361 362 363 364	FLEXIBLE OR COLLAPSIBLE BAG TYPE .With bag ejecting means .Toroidal or annular bag .Impervious bag with pervious portion
341.2	having insulation  .Gas flow from inside to outside of filter  .Modular compartments  .Horizontally mounted filters	361 362 363	FLEXIBLE OR COLLAPSIBLE BAG TYPE .With bag ejecting means .Toroidal or annular bag .Impervious bag with pervious   portion .Bag carried strain relief means
341.2 341.3 341.4	having insulation  .Gas flow from inside to outside of filter  .Modular compartments  .Horizontally mounted filters  .Modular compartments	361 362 363 364	FLEXIBLE OR COLLAPSIBLE BAG TYPE .With bag ejecting means .Toroidal or annular bag .Impervious bag with pervious portion
341.2 341.3 341.4 341.5 341.6	having insulation  .Gas flow from inside to outside of filter  .Modular compartments  .Horizontally mounted filters  .Modular compartments  .Partitioned bag filter chamber	361 362 363 364	FLEXIBLE OR COLLAPSIBLE BAG TYPE .With bag ejecting means .Toroidal or annular bag .Impervious bag with pervious   portion .Bag carried strain relief means
341.2 341.3 341.4 341.5 341.6 341.7	having insulation  .Gas flow from inside to outside of filter Modular compartments Horizontally mounted filters  .Modular compartments  .Partitioned bag filter chamber  .Horizontally mounted filters	361 362 363 364 365	FLEXIBLE OR COLLAPSIBLE BAG TYPE .With bag ejecting means .Toroidal or annular bag .Impervious bag with pervious    portion .Bag carried strain relief means    between bag supports
341.2 341.3 341.4 341.5 341.6	having insulation .Gas flow from inside to outside   of filter .Modular compartments .Horizontally mounted filters .Modular compartments .Partitioned bag filter chamber .Horizontally mounted filters MULTIPLE SEPARATORS, EACH WITH	361 362 363 364 365 366	FLEXIBLE OR COLLAPSIBLE BAG TYPE .With bag ejecting means .Toroidal or annular bag .Impervious bag with pervious   portion .Bag carried strain relief means   between bag supports .With separable nonfiltering   residue container
341.2 341.3 341.4 341.5 341.6 341.7	having insulation .Gas flow from inside to outside   of filter .Modular compartments .Horizontally mounted filters .Modular compartments .Partitioned bag filter chamber .Horizontally mounted filters MULTIPLE SEPARATORS, EACH WITH   DISCRETE AND LONGITUDINALLY	361 362 363 364 365	FLEXIBLE OR COLLAPSIBLE BAG TYPE .With bag ejecting means .Toroidal or annular bag .Impervious bag with pervious   portion .Bag carried strain relief means   between bag supports .With separable nonfiltering   residue container .Valved, self-closing, or
341.2 341.3 341.4 341.5 341.6 341.7	having insulation .Gas flow from inside to outside   of filter .Modular compartments .Horizontally mounted filters .Modular compartments .Partitioned bag filter chamber .Horizontally mounted filters MULTIPLE SEPARATORS, EACH WITH   DISCRETE AND LONGITUDINALLY   CONFINED GAS INLET OR OUTLET	361 362 363 364 365 366	FLEXIBLE OR COLLAPSIBLE BAG TYPE .With bag ejecting means .Toroidal or annular bag .Impervious bag with pervious   portion .Bag carried strain relief means   between bag supports .With separable nonfiltering   residue container .Valved, self-closing, or   apparatus contained bag
341.2 341.3 341.4 341.5 341.6 341.7	having insulation .Gas flow from inside to outside   of filter .Modular compartments .Horizontally mounted filters .Modular compartments .Partitioned bag filter chamber .Horizontally mounted filters MULTIPLE SEPARATORS, EACH WITH   DISCRETE AND LONGITUDINALLY	361 362 363 364 365 366 367	FLEXIBLE OR COLLAPSIBLE BAG TYPE .With bag ejecting means .Toroidal or annular bag .Impervious bag with pervious   portion .Bag carried strain relief means   between bag supports .With separable nonfiltering   residue container .Valved, self-closing, or   apparatus contained bag   closing means
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341.2 341.3 341.4 341.5 341.6 341.7 342	having insulation .Gas flow from inside to outside   of filter .Modular compartments .Horizontally mounted filters .Modular compartments .Partitioned bag filter chamber .Horizontally mounted filters MULTIPLE SEPARATORS, EACH WITH   DISCRETE AND LONGITUDINALLY   CONFINED GAS INLET OR OUTLET   FLOW PATH	361 362 363 364 365 366 367	FLEXIBLE OR COLLAPSIBLE BAG TYPE .With bag ejecting means .Toroidal or annular bag .Impervious bag with pervious   portion .Bag carried strain relief means   between bag supports .With separable nonfiltering   residue container .Valved, self-closing, or   apparatus contained bag   closing means
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341.2 341.3 341.4 341.5 341.6 341.7 342	having insulation  Gas flow from inside to outside of filter  Modular compartments  Horizontally mounted filters  Modular compartments  Partitioned bag filter chamber  Horizontally mounted filters  MULTIPLE SEPARATORS, EACH WITH DISCRETE AND LONGITUDINALLY CONFINED GAS INLET OR OUTLET FLOW PATH  With heating or cooling means or having insulation  Heat exchanger is part of	361 362 363 364 365 366 367	FLEXIBLE OR COLLAPSIBLE BAG TYPE .With bag ejecting means .Toroidal or annular bag .Impervious bag with pervious   portion .Bag carried strain relief means   between bag supports .With separable nonfiltering   residue container .Valved, self-closing, or   apparatus contained bag   closing means .Spaced interior inflow path or   with means modifying gas flow
341.2 341.3 341.4 341.5 341.6 341.7 342	having insulation  Gas flow from inside to outside of filter  Modular compartments  Horizontally mounted filters  Modular compartments  Partitioned bag filter chamber  Horizontally mounted filters  MULTIPLE SEPARATORS, EACH WITH  DISCRETE AND LONGITUDINALLY  CONFINED GAS INLET OR OUTLET  FLOW PATH  With heating or cooling means or having insulation  Heat exchanger is part of separator or is contiguous	361 362 363 364 365 366 367	FLEXIBLE OR COLLAPSIBLE BAG TYPE .With bag ejecting means .Toroidal or annular bag .Impervious bag with pervious   portion .Bag carried strain relief means   between bag supports .With separable nonfiltering   residue container .Valved, self-closing, or   apparatus contained bag   closing means .Spaced interior inflow path or   with means modifying gas flow   in bag
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341.2 341.3 341.4 341.5 341.6 341.7 342.1 342.1	having insulation  Gas flow from inside to outside of filter  Modular compartments  Horizontally mounted filters  Modular compartments  Partitioned bag filter chamber  Horizontally mounted filters  MULTIPLE SEPARATORS, EACH WITH  DISCRETE AND LONGITUDINALLY  CONFINED GAS INLET OR OUTLET  FLOW PATH  With heating or cooling means or having insulation  Heat exchanger is part of separator or is contiguous therewith	361 362 363 364 365 366 367	FLEXIBLE OR COLLAPSIBLE BAG TYPE .With bag ejecting means .Toroidal or annular bag .Impervious bag with pervious   portion .Bag carried strain relief means   between bag supports .With separable nonfiltering   residue container .Valved, self-closing, or   apparatus contained bag   closing means .Spaced interior inflow path or   with means modifying gas flow   in bag .Closure means other than coupler   to flow line for filter or   cover bagUse position residue removal
341.2 341.3 341.4 341.5 341.6 341.7 342.1 342.1	having insulation .Gas flow from inside to outside of filterModular compartmentsHorizontally mounted filters .Modular compartments .Partitioned bag filter chamber .Horizontally mounted filters MULTIPLE SEPARATORS, EACH WITH     DISCRETE AND LONGITUDINALLY     CONFINED GAS INLET OR OUTLET     FLOW PATH .With heating or cooling means or having insulationHeat exchanger is part of separator or is contiguous therewith .Combined serial and parallel	361 362 363 364 365 366 367 368 369	FLEXIBLE OR COLLAPSIBLE BAG TYPE .With bag ejecting means .Toroidal or annular bag .Impervious bag with pervious   portion .Bag carried strain relief means   between bag supports .With separable nonfiltering   residue container .Valved, self-closing, or   apparatus contained bag   closing means .Spaced interior inflow path or   with means modifying gas flow   in bag .Closure means other than coupler   to flow line for filter or   cover bag .Use position residue removal   means
341.2 341.3 341.4 341.5 341.6 341.7 342.1 342.1	having insulation .Gas flow from inside to outside of filterModular compartmentsHorizontally mounted filters .Modular compartments .Partitioned bag filter chamber .Horizontally mounted filters MULTIPLE SEPARATORS, EACH WITH     DISCRETE AND LONGITUDINALLY     CONFINED GAS INLET OR OUTLET     FLOW PATH .With heating or cooling means or having insulationHeat exchanger is part of separator or is contiguous therewith .Combined serial and parallel	361 362 363 364 365 366 367 368	FLEXIBLE OR COLLAPSIBLE BAG TYPE .With bag ejecting means .Toroidal or annular bag .Impervious bag with pervious   portion .Bag carried strain relief means   between bag supports .With separable nonfiltering   residue container .Valved, self-closing, or   apparatus contained bag   closing means .Spaced interior inflow path or   with means modifying gas flow   in bag .Closure means other than coupler   to flow line for filter or   cover bagUse position residue removal

372	.With additional nonbag type filter	404	.Moved by system fluid in confined flow path
373	.Housing closure secures bag	405	Fluid flow normal to axis of
374	.With flow line coupling means		moving member
375	Flexible conduit joins line to	406	.Differentially deflected system
3/5	bag	400	fluid constituents
376	Coupling part inseparable from	407	Concentrate flow groove, guide,
	bag		or channel on moving member
377	Resilient or expansible	408	Separated gas conducted axially
378	.With securing or supporting		through rotating member
	means	409	Hollow shaft
379	Bag internally supported	410	WITH SEPARATED GAS OUTFLOW
380		110	CONTROL (E.G., APERTURED
360	.Nested bags or folded wall with		CONDUIT)
201	spaced or unsecured faces	410.1	•
381	.Seaming, reinforcing or bag		.With heating or cooling means
	structure	411	.Movable gas outlet conduit
382	Multi-ply, strata, or laminated	412	Longitudinal
383	WITH REMOTE FAN OR PUMP AND	413	.Baffle or flow guide
	UNCONFINED FLOW TO SEPARATOR	414	Within or downstream of gas
385.1	COMBINED OR CONVERTIBLE		outlet conduit
385.2	.In environmental air enclosure	415	Movable baffle of flow guide
385.3	.In motor vehicle	416	Flow straightener
385.4	.In vented container	417	.Valve
385.5	.Involving mining or	418	WITH INFLOW GAS CONTROL OR
	metallurgical apparatus		DISTRIBUTION
385.6	.Involving communication	418.1	.With heating or cooling means or
	receiving or transmitting		having insulation
	apparatus	419	.Multiple inlets
385.7	.Involving shielding apparatus	420	.Check valve
385.8	.Involving ash tray	421	WITH MEANS FOR LIQUID SEPARATION
391	RESTRICTED ANNULAR MIXTURE INLET	422	SEPARATING MEDIA ADJUSTABLE TO
371	TO COLLECTOR ZONE AROUND GAS	422	VARIOUS POSITIONS OF USE OR TO
	OUTLET CONDUIT ATTACHED BAFFLE		NONUSE
392	WITH GUIDE MEANS EFFECTING	423	MEANS WITHIN GAS STREAM FOR
372	REMOVAL OF CONSTITUENT LAYER	123	CONDUCTING CONCENTRATE TO
	OUT OF GAS STREAM		COLLECTOR
392.1	.With heating or cooling means	424	
393	.with heating of tooling means		WITTU CONCENTRATE BACKETOW OD DE_
	Mossablar mounted for adjustment		WITH CONCENTRATE BACKFLOW OR RE-
	.Movably mounted for adjustment		ENTRAINMENT PREVENTING MEANS
394	.At escape means for heavier	425	ENTRAINMENT PREVENTING MEANS .Closure between separating and
	.At escape means for heavier constituent	425	ENTRAINMENT PREVENTING MEANS .Closure between separating and collecting zones
395	<ul><li>At escape means for heavier constituent</li><li>And separable residue</li></ul>		ENTRAINMENT PREVENTING MEANS  Closure between separating and collecting zones  Baffle intermediate concentrate
395	<ul><li>.At escape means for heavier constituent</li><li>And separable residue receptacle</li></ul>	425	ENTRAINMENT PREVENTING MEANS  Closure between separating and collecting zones  Baffle intermediate concentrate collector zone and gas outlet
	<ul><li>.At escape means for heavier constituent</li><li>And separable residue receptacle</li><li>Annular outlet around gas</li></ul>	425	ENTRAINMENT PREVENTING MEANS .Closure between separating and collecting zones .Baffle intermediate concentrate collector zone and gas outlet conduit
395 396	<ul><li>.At escape means for heavier constituent</li><li>And separable residue receptacle</li><li>Annular outlet around gas outflow path</li></ul>	425 426 427	ENTRAINMENT PREVENTING MEANS  Closure between separating and collecting zones  Baffle intermediate concentrate collector zone and gas outlet conduit  Adjustably mounted
<ul><li>395</li><li>396</li><li>397</li></ul>	<ul> <li>At escape means for heavier constituent</li> <li>And separable residue receptacle</li> <li>Annular outlet around gas outflow path</li> <li>Spaced, overlapped walls</li> </ul>	425	ENTRAINMENT PREVENTING MEANS  Closure between separating and collecting zones  Baffle intermediate concentrate collector zone and gas outlet conduit  Adjustably mounted  RESIDUE ACCESS, HANDLING OR
395 396 397 398	<ul><li>.At escape means for heavier constituent</li><li>And separable residue receptacle</li><li>Annular outlet around gas outflow path</li></ul>	425 426 427 428	ENTRAINMENT PREVENTING MEANS  Closure between separating and collecting zones  Baffle intermediate concentrate collector zone and gas outlet conduit  Adjustably mounted  RESIDUE ACCESS, HANDLING OR REMOVING MEANS
<ul><li>395</li><li>396</li><li>397</li></ul>	<ul> <li>At escape means for heavier constituent</li> <li>And separable residue receptacle</li> <li>Annular outlet around gas outflow path</li> <li>Spaced, overlapped walls</li> </ul>	425 426 427 428 428.1	ENTRAINMENT PREVENTING MEANS  Closure between separating and collecting zones  Baffle intermediate concentrate collector zone and gas outlet conduit  Adjustably mounted  RESIDUE ACCESS, HANDLING OR REMOVING MEANS  With heating or cooling means
395 396 397 398	<ul> <li>At escape means for heavier constituent</li> <li>And separable residue receptacle</li> <li>Annular outlet around gas outflow path</li> <li>Spaced, overlapped walls</li> <li>Plural, angularly spaced</li> </ul>	425 426 427 428	ENTRAINMENT PREVENTING MEANS  Closure between separating and collecting zones  Baffle intermediate concentrate collector zone and gas outlet conduit  Adjustably mounted  RESIDUE ACCESS, HANDLING OR REMOVING MEANS
395 396 397 398 399	<ul> <li>At escape means for heavier constituent</li> <li>And separable residue receptacle</li> <li>Annular outlet around gas outflow path</li> <li>Spaced, overlapped walls</li> <li>Plural, angularly spaced</li> <li>Spiral guide</li> </ul>	425 426 427 428 428.1	ENTRAINMENT PREVENTING MEANS  Closure between separating and collecting zones  Baffle intermediate concentrate collector zone and gas outlet conduit  Adjustably mounted  RESIDUE ACCESS, HANDLING OR REMOVING MEANS  With heating or cooling means
395 396 397 398 399	.At escape means for heavier constituentAnd separable residue receptacleAnnular outlet around gas outflow pathSpaced, overlapped wallsPlural, angularly spaced .Spiral guide MOUNTED OR SUPPORTED FOR	425 426 427 428 428.1 429	ENTRAINMENT PREVENTING MEANS  Closure between separating and collecting zones  Baffle intermediate concentrate collector zone and gas outlet conduit  Adjustably mounted  RESIDUE ACCESS, HANDLING OR REMOVING MEANS  With heating or cooling means  Separable collection container
395 396 397 398 399 400	.At escape means for heavier constituentAnd separable residue receptacleAnnular outlet around gas outflow pathSpaced, overlapped wallsPlural, angularly spaced .Spiral guide MOUNTED OR SUPPORTED FOR CONTINUOUS MOTION	425 426 427 428 428.1 429	ENTRAINMENT PREVENTING MEANS  Closure between separating and collecting zones  Baffle intermediate concentrate collector zone and gas outlet conduit  Adjustably mounted  RESIDUE ACCESS, HANDLING OR REMOVING MEANS  With heating or cooling means  Separable collection container  With means effecting or
395 396 397 398 399 400	.At escape means for heavier constituentAnd separable residue receptacleAnnular outlet around gas outflow pathSpaced, overlapped wallsPlural, angularly spaced .Spiral guide MOUNTED OR SUPPORTED FOR CONTINUOUS MOTION .Plural distinct separating media	425 426 427 428 428.1 429	ENTRAINMENT PREVENTING MEANS .Closure between separating and collecting zones .Baffle intermediate concentrate collector zone and gas outlet conduitAdjustably mounted RESIDUE ACCESS, HANDLING OR REMOVING MEANS .With heating or cooling means .Separable collection container .With means effecting or assisting discharge of residue
395 396 397 398 399 400 401	.At escape means for heavier constituentAnd separable residue receptacleAnnular outlet around gas outflow pathSpaced, overlapped wallsPlural, angularly spaced .Spiral guide MOUNTED OR SUPPORTED FOR CONTINUOUS MOTION .Plural distinct separating media or stagesOverlapping moving separators	425 426 427 428 428.1 429 430	ENTRAINMENT PREVENTING MEANS .Closure between separating and collecting zones .Baffle intermediate concentrate collector zone and gas outlet conduitAdjustably mounted RESIDUE ACCESS, HANDLING OR REMOVING MEANS .With heating or cooling means .Separable collection container .With means effecting or assisting discharge of residue (e.g., endless belt)
395 396 397 398 399 400 401 402	.At escape means for heavier constituentAnd separable residue receptacleAnnular outlet around gas outflow pathSpaced, overlapped wallsPlural, angularly spaced .Spiral guide MOUNTED OR SUPPORTED FOR CONTINUOUS MOTION .Plural distinct separating media or stages	425 426 427 428 428.1 429 430	ENTRAINMENT PREVENTING MEANS .Closure between separating and collecting zones .Baffle intermediate concentrate collector zone and gas outlet conduitAdjustably mounted RESIDUE ACCESS, HANDLING OR REMOVING MEANS .With heating or cooling means .Separable collection container .With means effecting or assisting discharge of residue (e.g., endless belt)Gaseous or liquid
395 396 397 398 399 400 401 402	.At escape means for heavier constituentAnd separable residue receptacleAnnular outlet around gas outflow pathSpaced, overlapped wallsPlural, angularly spaced .Spiral guide MOUNTED OR SUPPORTED FOR CONTINUOUS MOTION .Plural distinct separating media or stagesOverlapping moving separatorsPlural moving separators	425 426 427 428 428.1 429 430	ENTRAINMENT PREVENTING MEANS .Closure between separating and collecting zones .Baffle intermediate concentrate collector zone and gas outlet conduitAdjustably mounted RESIDUE ACCESS, HANDLING OR REMOVING MEANS .With heating or cooling means .Separable collection container .With means effecting or assisting discharge of residue (e.g., endless belt)Gaseous or liquid .With movable or manipulable

433	Manually actuated	456	Helical vane or baffle within
434	DEFLECTOR	100	flow conduit
434.1	.Having insulation	457	Between gas flow path wall and
434.2	.With heating or cooling means		central core
434.3	Two confined fluids in indirect	458	Inflow pipe projects within casing
434.4	Heat exchanger is part of	459.1	Tangential gas inlet opening in
434.4	separator or is contiguous		casing
40-	therewith	459.2	Inclined inflow
435	.Wear liners or surface	459.3	Scroll
	characteristics (e.g., anti-	459.4	Inflow nozzle or vane
426	erosion)	459.5	Varying inlet area
436	.Removably supported deflector	460	With tangential gas outlet
127	surface	461	Continuous confined flow path
437	.With gas pump or fan	462	.Impingement baffle
438	Within separator	463	Conical with apex facing
439	Downstream of separator		upstream
440	.Parallel and continuous nonplanar members (e.g.,	464	Corrugated, ribbed, crimped, or
	crimped, corrugated, curved)	465	with projections
441	.Concentric, nested conduits with	465	Planar
441	closed and open ends for flow	466	WITH SEPARATED NONGASEOUS
	reversal		MATERIAL CONDUCTING OR TREATING MEANS
442	.Plural deflectors overlapped and	467	WITH GAS FLOW EFFECTING MEANS
	spaced serially in gas flow	467.1	.With heating or cooling means
443	Plural deflectors in row across	468	.Injector or jet pump type
	gas flow	469	.Manual, weight, or traction
444	Deflectors in alternate rows		operated gas pump
	<pre>aligned (i.e., staggered)</pre>	470	.Plurality of impellers arranged
445	Deflectors apertured or closely		in parallel or performing
	spaced from flow path wall		diverse functions
446	Space or aperture opposed by	471	.Impeller within or proximate to
	solid deflector surface		space encompassed by
447	.Fixed gas whirler or rotator		separating media
	means	472	.Upright or multichambered casing
448	With outlet gas conduit wall	473	.Impeller upstream of separating
	common to surrounding gas		media
	inlet or concentrate outlet or	474	WITH PARTICULATE SOLIDS MOVEMENT
440	collector		DURING USE OR AGITATING MEANS
449	Gas inlet and outlet have common wall		THEREFOR
450	With outlet from collector	475	WITH MEANS ADJUSTABLE TO CONTROL
450			COMPACTNESS OF SEPARATING
451	Tangential outlet pipe	476	MEDIA
452	With plural concentrate outlets in arcuate, axially extending	476	WITH MEANS INTRODUCING GAS INTO
	whirl chamber wall	477	MIDST OF SEPARATING MEDIA
453	With concentrate outlet means	477	STRANDS OR BRISTLES WITH
133	in one of parallel plates		UNSUPPORTED OR FREE EXTREMITIES (E.G., BRUSH TYPE)
	mounting spaced whirler vanes	478	WITH SEPARATE FLOW LINE ACCESS
454	With tangential concentrate	<b>1</b> /0	MEANS OR FILTER MEDIA PASSAGE
101	outlet pipe		MEANS OF FILTER MEDIA PASSAGE MEANS OFFSET TO FLOW PATH
455	Plural nonradial gas passages	479	.For discrete filter particles
	in peripheral wall (e.g.,	480	.Access means is clamping or
	tuyere)	-55	coupling means for unit filter
			media

481	.Unit transversely slidable through flow path	508	Suspended or supported by bracket or from top of frame
482	TWO OR MORE SEPARATORS (E.G., SPACED FILTERS IN FLOW LINE OR	509	Distorted media in flow line or resilient retaining means
	CASING)	510	Annular unit held between
482.1 483	.With heating or cooling means .With framework for edge to edge relation		<pre>dished or plate-like end members for top and bottom support</pre>
484	.Spaced for parallel flow of gas	511	Edge supported or secured only
485 486	.Three or more serially spaced .Plies or layers of different	512	.Discrete fibrous or particulate solids
	characteristics or orientation	513	Resilient securing means
487	Differing mesh sizes	514	Fused or bonded to a supporting
488	Variation in shape or size		or backing member
489	Orientation of elements	515	Foraminous container
490	WITH MEANS SECURING OR RETAINING	516	Held between openwork
	SEPARATING MEDIA	517	Between telescoped or
490.1	.With heating or cooling means		nonplanar retainers
490.2	Two confined fluids in indirect	518	Between perforated plates
170.2	contact	519	Between reticulated end
491	.Fastening means pierces or		closures
171	penetrates media	520	SPIRAL FILTER MEDIA
492	.Internal frame or support means	521	ZIGZAG, CORRUGATED, OR CONICAL
493	.Hinged or pivoted retainer or	522	SPECIFIC MEDIA MATERIAL
400	clamp on backing frame or in	523	.Ceramic or sintered
	flow line	524	.With coating, impregnant, or
494	.Grid or tray type for bottom	321	bonding agent
101	support only	525	.Metal mesh or expanded material
495	.Unit or cohesive sheet-like	526	Wadded or compressed
400	media in flow line or frame	527	.Fibrous or strand form
496	With adjustable connector or	528	Organic (e.g., vegetable)
150	size adjusting means	529	MISCELLANEOUS (E.G., SHAPES)
497	Edge supporting or securing means for nonplanar sheet form	323	MISCELLANGOOD (E.G., SHAPES)
498	filter (e.g., zigzag)		
499	Spiral or cylindricalWith additional transversely	<u>FOREIGN</u>	ART COLLECTIONS
499	_		
EOO	arranged members	FOR 000	CLASS-RELATED FOREIGN DOCUMENTS
500	Flexible sheet type maintained in nonplanar configuration		
501	<pre>With additional support means not positively engaged or joined to media (e.g., across face of filter)</pre>	DIGESTS	
502	Gasket or sealing means	DIG 1	GRADUATED ELECTROSTATIC FIELD
503	Media within joinable or	DIG 2	VACUUM CLEANER BAGS
303	separable flow line sections	DIG 3	VACUUM CLEANER
504	Aligned stop, media and	DIG 5	METHODS OF MAKING FILTER
JUI	removable retainer	DIG 6	MAGNETIC COUPLINGS
505	Flow line end coupling (e.g.,	DIG 7	BLACK LIQUOR TREATMENT
203	Flow line end coupling (e.g., pipe end)	DIG 8	BUILT-IN VACUUM CLEANERS
506	Flange or track on flow line	DIG 9	RADIOACTIVE FILTERS
500	for slidably retaining media	DIG 10	RESIDUE BURNED
507	Resilient attaching means	DIG 12	POCKET TYPE FILTER
507	Nestitient actaching means	DIG 13	POLYURETHANE FILTERS

- DIG 14 INERTIA SEPARATOR
- DIG 15 COLD TRAPS
- DIG 17 COMPRESSED AIR WATER REMOVAL
- DIG 18 WORK BENCH
- DIG 19 CRANKCASE VENTILATION
- DIG 20 SPARK ARRESTER
- DIG 21 SILENCER CLEANER
- DIG 23 STEAM SEPARATORS
- DIG 24 VISCOUS COATED FILTER
- DIG 25 AGGLOMERATORS
- DIG 26 BAG COUPLING
- DIG 27 CLEANERS, LIQUID
- DIG 28 CARBURETOR ATTACHED
- DIG 29 AIR CURTAINS
- DIG 30 EXHAUST TREATMENT
- DIG 31 **FILTER FRAME**
- DIG 32 GASEOUS FLUID CONVEYING
- DIG 33 GAS MASK CANISTER
- DIG 34 INDICATOR AND CONTROLLERS
- DIG 35 RESPIRATORS AND REGISTER FILTERS
- DIG 36 KITCHEN HOODS
- DIG 37 LOUVERS
- DIG 38 TUBULAR COLLECTOR ELECTRODE
- DIG 39 ELECTRETS SEPARATOR
- DIG 42 FOAM FILTER MATERIALS
- DIG 43 KNITTED FILTER MEDIUMS
- DIG 44 PILE AND PILE-TYPE FILTER MEDIUMS
- DIG 45 WOVEN FILTER MEDIUMS
- DIG 46 SPRAY BOOTHS